

Message Text

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PAGE 01 SEOUL 08898 01 OF 03 210401Z
ACTION OES-07

INFO OCT-01 EA-12 ISO-00 EPA-04 /024 W
-----040652 210518Z /12

P 210127Z OCT 77
FM AMEMBASSY SEOUL
TO SECSTATE WASHDC PRIORITY 7095

UNCLAS SECTION 1 OF 3 SEOUL 8898

DEPARTMENT FOR OES/ENP/EN

E.O. 11652: NA
TAGS: SENV, KS
SUBJECT: KOREAN AIR AND WATER POLLUTION STANDARDS

REF: A) STATE 246231

1. ENFORCEMENT OF POLLUTION CONTROLS IS PRESCRIBED BY
LAW ON PREVENTION OF PUBLIC NUISANCES PASSED IN 1971
WHICH HAS BEEN AMENDED THREE TIMES, LATEST AMENDMENT BEING
APRIL 20, 1976. A FOURTH AMENDMENT IS EXPECTED IN JANUARY 1978.

2. THE LAW COVERS AIR POLLUTION BASED UPON LIMITS AT THE
POINT OF EMISSION AND AT PLANT BOUNDARY. THERE ARE NO
AMBIENT AIR QUALITY STANDARDS ONLY GROUND LEVEL STANDARDS
WHICH ARE:

TABLE 1 GAS AND DUST EMISSION

PUBLIC NUISANCE PREVENTION LAW:

REGULATIONS MADE UNDER THE LAW UP TO 1976 LAW DOWN LIST
EMISSION STANDARDS AS FOLLOWS:

MATERIAL	EMISSION POINT	PLANT BOUNDARY
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AMMONIA (NH3)	600 PPM	1 PPM
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CARBON MONOXIDE (CO)	3,000 PPM	20 PPM
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HYDROGEN CHLORIDE (HCl)	60 PPM	0.1 PPM
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CHLORINE (Cl2)	50 PPM	0.02 PPM
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SULPHUR DIOXIDE (SO ₂)	3,000 PPM	0.2 PPM
NITROGEN DIOXIDE (NO ₂)	250 PPM	0.5 PPM
CARBON DISULPHIDE (CS ₂)	120 PPM	0.5 PPM
FORMALDEHYDE (HCHO)	70 PPM	0.1 PPM
HYDROGEN SULPHIDE (H ₂ S)	30 PPM	0.1 PPM

COMPOUNDS OF

BENZENE	-	15 PPM
PHENOL	-	0.2 PPM
ARSENIC	-	0.03 PPM
FLUORINE	10 PPM	0.1 PPM
CYANIDE	-	0.2 MG/M3
PHOSPHOURS	-	0.4 MG/M3
CADMIUM	1.0 MG/M3	0.0005 MG/M3

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LEAD	30 MG/M3	0.01 MG/M3
CHROMIUM	-	0.005 MG/M3
COPPER	-	0.1 MG/M3
ZINC	-	0.1 MG/M3

3. LIQUID EFFLUENT STANDARDS ARE: TABLE 2

INDUSTRY TYPE	RECEIVING WATER		SUSPENDED SOLIDS		
	COD TYPE#	BOD MG/1	BOD MG/1	SOLIDS MG/1	SOLIDS MG/1
CHEMICAL PRODUCTS	1.	150	---	100	
	2.	150	---	150	
	3.	200	---	200	
PRIMARY METAL PRODUCTION	1.	150	---	100	
	2.	150	---	150	

3. 200 --- 200

METAL FABRICATION 1. 150 --- 100

2. 150 --- 150

3. 200 --- 200

OIL REFINING 1. 150 --- 100

2. 150 --- 150

3. 200 --- 200

LEATHER MANUFACTURING 1. --- 150 100

2. --- 200 150

3. --- 200 200

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FOOD & BEVERAGE

INDUSTRY 1. --- 150 100

2. --- 200 150

3. --- 200 200

TEXTILE INDUSTRY 1. 150 150 100

2. 150 200 150

3. 200 200 300

PULP & PAPER INDUSTRY 1. --- 150 100

2. --- 200 150

3. --- 200 300

NON-METALLIC MINERAL

INDUSTRY 1. --- --- 100

2. --- --- 100

3. --- --- 200

MOTOR INDUSTRY 1. 150 --- 50

2. 150 --- 50

3. 200 --- 100

METALLIC MINERAL

PROCESSING 1. --- --- ---

2. --- --- ---

3. --- --- --

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ACTION OES-07

INFO OCT-01 EA-12 ISO-00 EPA-04 /024 W

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TO SECSTATE WASHDC PRIORITY 7096

UNCLAS SECTION 2 OF 3 SEOUL 8898

DEPARTMENT FOR OES/ENP/EN

INDUSTRY TYPE	OIL & GREASE	PHENOL CHROMIUM	CYANIDE	TOTAL
	MG/1	MG/1	MG/1	MG/1

CHEMICAL PRODUCTS	50	1.5	1	2
	50	5	1	2
	50	2	1	2

PRIMARY METAL	20	1.5	1	2
PRODUCTION	50	5	1	2
	30	2	1	L 2

METAL FABRICATION	50	-	1	2
	50	-	1	2
	50	-	1	2

OIL REFINING	50	1.5	-	2
	50	5	-	2
	100	2	-	2

LEATHER MANUFACTUR-	20	-	1	2
ING	30	-	1	2
L	30	-	1	2

FOOD & BEVERAGE	50	-	-	-
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INDUSTRY	50	-	-	-
	50	-	-	-

TEXTILE INDUSTRY	50	-	-	2
	50	-	-	2
	50	-	-	2

PULP & PAPER	-	-	-	-
INDUSTRY	-	-	-	-
	-	-	-	-

NON-METALLIC	-	-	-	-
MINERAL INDUSTRY	-	-	-	-
	-	-	-	-

MOTOR INDUSORY L 20	-	-	-
20	-	-	-
50	-	-	-

METALLIC MINERAL	-	-	-	-
PROCESSING	-	-	-	-
	-	-	-	-

INDUSTRY TYPE	ZINC	COPPER	CADMIUM	ALKYL MERCURY
MG/1	MG/1	MG/1	MG/1	

CHEMICAL PRODUCTS	5	3	0.1	N.D
5	3	0.1	L N.D	
5	3	0.1	N.D	

PRIMARY METAL	5	3	0.1	N.D
PRODUCTION	5	3	0.1	N.D
5	3	0.1	N.D	

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METAL FABRICATION	5	3	0.1	N.D
5	3	0.1	N.D	
5	3	0.1	N.D	

OIL REFINING	-	-	-	-
	-	-	-	-
	-	-	-	-

LEATHER MANU-	-	3	-	-
FACTURING	-	3	-	-
	-	3	-	-

FOOD & BEVERAGE	-	-	-	-
INDUSTRY	-	-	-	-
	-	-	-	-

TEXTILE INDUSTRY	-	-	-	-
	-	-	-	-
	-	-	-	-

PULP & PAPER	-	-	-	-
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INDUSTRY	-	-	-	-
	-	-	-	-

NON-METALLIC	-	-	-	-
MINERAL INDUSTRY	-	-	-	-
	-	-	-	-

MOTOR INDUSTRY	-	-	-	-
	-	-	-	-
	-	-	-	-

METALLIC MINERAL	5	3	0.1	-
PROCESSING	5	3	0.1	-
	5	3	0.1	-
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TOTAL	ORGANIC			
MERCURY	PHOSPHORUS	ARSENIC	LEAD	
INDUSTRY TYPE	MG/1	MG/1	MG/1	MG/1

CHEMICAL PRODUCTS	N.D	1	0.5	1
	N.D	1	0.5	1
	N.D	1	0.5	1

PRIMARY METAL	N.D	-	0.5	1
PRODUCTION	N.D	-	0.5	1
	N.D	-	0.5	1

METAL FABRICA-	N.D	-	0.5	1
TION	N.D	-	0.5	1
	N.D	-	0.5	1

OIL REFINING	-	1	0.5	-
	-	1	0.5	-
	-	1	0.5	-

LEATHER MANU-	-	-	0.5	-
FACTURING	-	-	0.5	-
	-	-	0.5	-

FOOD & BEVERAGE	-	-	-	-
INDUSTRY	-	-	-	-
	-	-	-	-

TEXTILE INDUSTRY	-	-	-	-
	-	-	-	-
	-	-	-	-

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PULP & PAPER	N.D	-	-	-
INDUSTRY	N.D	-	-	-
	N.D	-	-	-

NON-METALLIC	-	-	-	-
MINERAL	-	-	-	-
	-	-	-	-

MOTOR	-	-	-	-
INDUSTRY	-	-	-	-
	-	-	-	-

METALLIC	N.D	-	0.5	1
MINERAL	N.D	-	0.5	1
PROCESSING	N.D	-	0.5	1

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ACTION OES-07

INFO OCT-01 EA-12 ISO-00 EPA-04 /024 W
-----043067 210549Z /12
P 210127Z OCT 77
FM AMEMBASSY SEOUL
TO SECSTATE WASHDC PRIORITY 7097

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DEPARTMENT FOR OES/ENP/EN

HEXAVA- SOLUBLE			
ENT			
CHROMIUM MANGANESE FLUORIDE			
INDUSTRY TYPE	MG/1	MG/1	MG/1
CHEMICAL PRODUCTS	0.5	-	15
	0.5	-	15
	0.5	-	15
PRIMARY METAL	0.5	10	-

PRODUCTION 0.5 10 -
0.5 10 -

METAL FABRICATION 0.5 - 15
0.5 - 15
0.5 - 15

OIL REFINING 0.5 - -
0.5 - -
0.5 - -

LEATHER MANU- 0.5 - -
FACTURING 0.5 - -
0.5 - -

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FOOD & BEVERAGE - - -
INDUSTRY - - -
- - -

TEXTILE INDUSTRY 0.5 - -
0.5 - -
0.5 - -

PULP & PAPER - - -
INDUSTRY - - -
- - -

NON-METALLIC - - -
MINERAL INDUSTRY - - -
- - -

MOTOR INDUSTRY - - -
- - -
- - -

METALLIC MINERAL 0.5 10 -
PROCESSING 0.5 10 -
0.5 10 -

INDUSTRY TYPE PH RANGE TEMP DEGREE C MAX.

CHEMICAL PRODUCTS 5-9 40
5.8-8.6 40
5-9 40

PRIMARY METAL 5-9 40
PRODUCTION 5.8-8.6 40
5-9 40

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METAL FABRICA- 5-9 40
TION 5.8-8.6 40
5-9 40

OIL REFINING 5-9 40
5.8-8.6 40
5-9 40

LEATHER MANU- 5-9 40
FACTURING 5.8-8.6 40
5-9 40

FOOD & BEVERAGE 5-9 40
INDUSTRY 5.8-8.6 40
5-9 40

TEXTILE INDUSTRY 5-9 40
5.8-8.6 40
5-9 40

PULP & PAPER 5-9 40
INDUSTRY 5.8-8.6 40
5-9 40

NON-METALLIC 5-9 40
MINERAL INDUSTRY 5.8-8.6 40
5-9 40

MOTOR INDUSTRY 5-9 40
5.8-8.6 40
5-9 40

METALLIC MINERAL 5-9 40
PROCESSING 5.8-8.6 40
5-9 40

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NOTES: EMISSION STANDARDS FOR LIQUID EFFLUENTS

#CLASSIFICATION OF RECEIVING WATERS:

TYPE 1. WATER DESIGNATED FOR DRINKING WATER SOURCES.

TYPE 2. WATER DESIGNATED FOR: AGRICULTURAL USE;
FISHERIES; RESORT AND RECREATION USE

TYPE 3. NON DESIGNATED WATERS

4. ACTUAL AVERAGE AIR POLLUTION VALUES IN SEOUL AREA AS
MONITORED ON 24 HOUR BASIS ARE:

TABLE 3
AIR POLLUTION IN SEOUL AREA

POLLUTANTS	DURATION OF OBSERVATION	SEOUL AREA KWANG HWA MUN HAN NAM DONG EMB AREA 1975 YONG SAN IN 1976
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SO2	PPM ANNUAL AVERAGE#	0.048 0.049
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CO	DAILY AVERAGE#	8.2 3.5
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NO2	DAILY AVERAGE#	0.019 0.017
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SUSPENDED PARTICULATE MATTER	MG/M3 DAILY AVERAGE	MG/M3 0.092 0.068
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#AVERAGE OF HOURLY AVERAGES

5. THERE IS A CONTINUING EFFORT IN THE REPUBLIC OF KOREA
TO EDUCATE THE PUBLIC CONCERNING THE NEED FOR AN ENFORCEMENT
OF POLLUTION REGULATIONS WHICH TO DATE HAVE NOT BEEN AS
EXACTING AS THE STANDARDS OF ADVANCED INDUSTRIAL COUNTRIES.
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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: AIR POLLUTION, WATER, POLLUTION, STANDARDS, DATA
Control Number: n/a
Copy: SINGLE
Sent Date: 21-Oct-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977SEOUL08898
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770387-0230
Format: TEL
From: SEOUL
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19771033/aaaabbtz.tel
Line Count: 535
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: a9af9c29-c288-dd11-92da-001cc4696bcc
Office: ACTION OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 10
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 77 STATE 246231
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 20-Dec-2004 12:00:00 am
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Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
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Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 829591
Secure: OPEN
Status: NATIVE
Subject: KOREAN AIR AND WATER POLLUTION STANDARDS
TAGS: SENV, KS
To: STATE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/a9af9c29-c288-dd11-92da-001cc4696bcc
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